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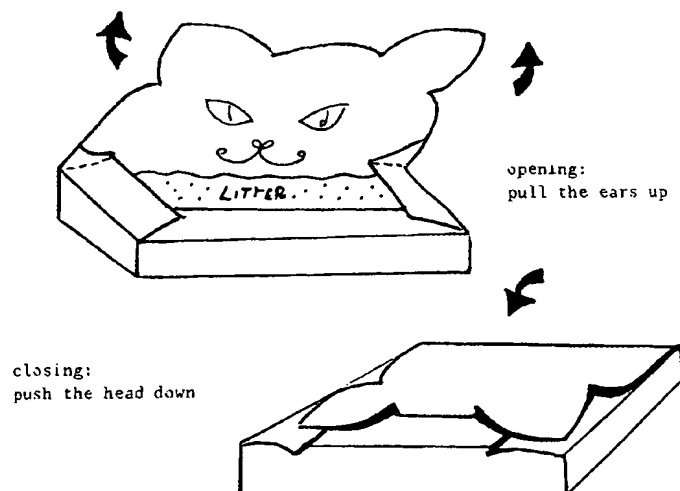
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(72) Inventor: DE GAUDENZI, Pia, Luisa [IT/AT]; Via Quassa 30, I-21020 Ranco (IT). Published:
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(54) Title: DISPOSABLE TOILET-BOX FOR CATS

A.1 - OPENING AND CLOSING SYSTEM



(57) Abstract: Box for containing sand (or hygienic litter or other material for receiving the excrements of animals) which can be used as toilet by the cat and which is realized in disposable execution, i.e.: that after the use it is destined to the trash. Realized in two types: full toilet-box (it already contains the sand) and empty toilet-box (it must be filled with sand). Both types have been devised in two versions: as self-standing disposable toilet-box or as spare disposable toilet-box for being received by another structure.

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AMENDED CLAIMS

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195 For the DISPOSABLE TOILET-BOX FOR CATS the following

is claimed:

1) The disposable toilet-box for cats as described
and illustrated having the characteristics which are
singularly claimed at the claims no. 2, 3, 4 and 5

200 here below;

2) The disposable toilet-box for cats being made of
carton and/or easy degradable material with various
fantasy printings on it;

3) The disposable toilet-box for cats having its
205 cover's cut edge's shape alluding to a cat's head
(see fig.A and A.1);

4) The disposable toilet-box for cats having a 3-layer bottom which is obtained by the 4 inward plied bottom flaps, 2 of which covering the whole bottom surface each and 2 covering the same surface together (see fig.A.3);

5) The disposable toilet-box for cats having the particular opening and closing system characterized by the fact that when lowering the cover the two lateral cover flaps fall between the cover and the frontal cover flap, where part of the cover's edge overlaps and can be brought under the frontal cover flap's edge for fixing the closure, and when pulling up the cover all cover flaps together with the cover come into vertical position to be part of the vertical faces of the box (see fig.A.1). This is

obtained by an horizontal outcoming ply positioned at
a certain high on the 4 vertical faces over the whole
circumference of the box making the part over said
225 horizontal ply becoming the upper part of the box
which transforms into 4 connected inward plyable
coverflaps, one of which is higher than the others
and becomes the cover when lowered into horizontal
position and 4 oblique entering plies positioned 1 on
230 each lateral cover flap starting from the horizontal
outcoming ply at the corner where the latter meets
with the cover and two oblique entering plies
positioned on the frontal cover flap: one at the left
and one at the right corner starting from the
235 horizontal outcoming ply where the latter meets with
the respective side flap (see fig.A.2);

- 6) The disposable toilet-box for cats, without
prejudice to all other claims, being realized for not
being closed after use which is obtained by reducing
240 to a minimum the distance between the 2
circumferential outcoming plies (top and bottom) (see
fig.A.2) or by eliminating one of them;
- 7) The disposable toilet-box for cats being realized,
without prejudice to all other claims, in several
245 different sizes which is obtained by changing the
measurements and the proportions of the box;
- 8) The disposable toilet-box for cats being realized,
without prejudice to all other claims, in full
version, in empty version, as selfstanding toilet-box
250 or as refill to be received by another structure

which is obtained by apportioning some different variations as the case may require;

9) The disposable toilet-box for cats having, without prejudice to all other claims, all its cut edges not
255 necessarily straight but variously or fantasy shaped for meeting particular practical or ornamental requirements when the case may require;

10) The disposable toilet-box for cats being equipped with various devicing, without prejudice to all other
260 claims;

11) The disposable toilet-box for cats, without prejudice to all other claims except claim no.3, having its cover's cut edge not shaped for alluding to a cat's haed but in some other way clearly
265 alluding to a cat;

12) The disposable toilet-box for cats, without
prejudice to all other claims except claim no.3,
being realized for other animals aswell having the
cover's cut edge's shape alluding to the animal it is
270 for.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A01K1/01

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A01K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 2 754 421 A (GAY ANDRE) 17 April 1998 (1998-04-17) abstract figures 1-5	1-12
X	US 4 967 692 A (MILLS ALAN D) 6 November 1990 (1990-11-06) figures 1-7	1-12
X	WO 95 09528 A (QUEEN FRANKIE A R) 13 April 1995 (1995-04-13) abstract page 13, line 12 - line 20 claims 1-11 figures 1-12	1-12
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☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 932 360 A (O'CONNOR JAMES A) 12 June 1990 (1990-06-12) abstract figure 7 claims 1-38 ----	1-12
X	US 4 628 863 A (EICHENAUER LARRY L) 16 December 1986 (1986-12-16) the whole document ----	1-12
X	US 5 488 929 A (PIERSON STACY S ET AL) 6 February 1996 (1996-02-06) abstract figures 1-11 claims 1-21 ----	1-12
X	US 5 117 781 A (ROACH DANIEL T) 2 June 1992 (1992-06-02) the whole document ----	1-12
X	US 5 730 085 A (SANTOITEMMO CARL V) 24 March 1998 (1998-03-24) the whole document ----	1-12
X	US 5 572 951 A (EVANS RILEY ET AL) 12 November 1996 (1996-11-12) abstract figure 6 claims 1-5 -----	1-12

INTERNATIONAL SEARCH REPORT

In relation on patent family members

International Application No

PCT/IT 03/00475

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
FR 2754421	A	17-04-1998	FR 2754421 A1	17-04-1998
US 4967692	A	06-11-1990	NONE	
WO 9509528	A	13-04-1995	US 5394834 A WO 9509528 A2 US 5476067 A	07-03-1995 13-04-1995 19-12-1995
US 4932360	A	12-06-1990	NONE	
US 4628863	A	16-12-1986	NONE	
US 5488929	A	06-02-1996	AU 4409996 A WO 9617510 A1	26-06-1996 13-06-1996
US 5117781	A	02-06-1992	NONE	
US 5730085	A	24-03-1998	WO 9636217 A1 AU 5607894 A BR 9307889 A CA 2172279 A1 EP 0722267 A1 JP 9506504 T WO 9508263 A1 US 5830765 A US 5780385 A US 5727499 A US 5655479 A	21-11-1996 10-04-1995 25-06-1996 30-03-1995 24-07-1996 30-06-1997 30-03-1995 03-11-1998 14-07-1998 17-03-1998 12-08-1997
US 5572951	A	12-11-1996	AU 5135496 A CA 2216118 A1 EP 0812128 A1 WO 9626640 A1 US 5765504 A	18-09-1996 06-09-1996 17-12-1997 06-09-1996 16-06-1998

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